

Appl. No.: 10/606,317
TC/A.U.: 3711 Docket No.: C02-29
Reply to Office Action of August 16, 2005

LISTING OF CLAIMS

Please amend the claims as follows:

1. (Currently amended) A golf club head comprising:
a body made of a first material having a thin front face of variable stiffness, and a rear cavity extending rearward from the front face;
a composite core comprised of a second material less dense and more flexible than the first inserted into the rear cavity;
the composite core inflated and expanded by a pressurized gas wherein at least a portion of the composite core biasly juxtaposes against the front face to form a hollow body having an internal volume between 35cc to 50cc., and
wherein the rear cavity ~~comprises~~ defines an opening that is sealed by a visible portion of the inflated composite core.
2. (Original) The club head of claim 1, wherein the composite core is made from a lightweight material such as plastic or carbon graphite.
3. (Original) The club head of claim 2, wherein the composite core material has a density equal or less than 4.5 gm/cc.
4. (Original) The club head of claim 1, wherein the stiffness of the front face is greatest at the face center, and becomes progressively more flexible away from the face center.
5. (Original) The club head of claim 1, wherein the Coefficient of Restitution varies across the front face to normalize ball speed and provide for an enlarged sweet zone.
6. (Original) The club head of claim 5, wherein the maximum Coefficient of Restitution, ranges between about 0.8 to about 0.9.
7. (Original) The club head of claim 1, wherein the pressurized gas is air.

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8. (Cancelled)

9. (Previously presented) The club head of claim 1, wherein the elasticity of the material of the composite core is able to cooperate with the front face to create a varying COR across the front face for normalizing ball speed and creating an enlarged sweet zone.

10-22. (Cancelled)

23. (Previously presented) The club head of claim 1, wherein the thickness of the front face is between 0.06 to 0.09 inch and the thickness of the composite core is between about 0.06 to 0.1 inch.